



**STATE OF TENNESSEE**  
**DEPARTMENT OF HEALTH**

JOHN J. DREYZEHNER, MD, MPH  
COMMISSIONER

BILL HASLAM  
GOVERNOR

October 18, 2017

Ms. Krista Lee, Director  
Fiscal Review Committee  
320 Sixth Avenue North  
Nashville, TN 37243

and

Mr. Mike Perry, Chief Procurement Officer  
Department of General Services  
Tennessee Tower, 3<sup>rd</sup> Floor  
Nashville, TN 37243

Dear Director Lee and CPO Perry:

The Department of Health requests approval to establish a three (3) year, sole source contract for whole genome sequencing reagents kits and other consumables. The estimated liability for this contract is \$1,800,000.00 and is 100% Federal funded.

This request is for reagent kits to test for Salmonella, Campylobacter, Shigella, E. coli, Listeria, and Gonorrhea using whole genome sequencing. The protocols for sequencing bacterial isolates are required by the Epidemiology Lab Capacity grant. The lab's participation in the Epidemiology Lab Capacity grant is important to the Federal Government's efforts to monitor and combat the spread of antibiotic-resistant bacteria. The reagent kits purchased from must be compatible with existing Illumina, Incorporated instrumentation that is currently in use at the lab.

The Department of Health respectfully submits the above referenced contract for consideration and approval by the Fiscal Review Committee.

Sincerely,

A handwritten signature in black ink, appearing to read "John J. Dreyzehner", is written over a horizontal line.

John J. Dreyzehner, MD, MPH, FACOEM  
Commissioner

## Supplemental Documentation Required for Fiscal Review Committee

*Contact Name:	Jim Gibson	*Contact Phone:	615-262-6303
*Presenter's name(s):	Brandon Silby, Jim Layman, Jim Gibson		
Edison Contract Number: <i>(if applicable)</i>		RFS Number: <i>(if applicable)</i>	
*Original or Proposed Contract Begin Date:	01/01/18	*Current or Proposed End Date:	12/31/22
Current Request Amendment Number: <i>(if applicable)</i>		N/A	
Proposed Amendment Effective Date: <i>(if applicable)</i>		N/A	
*Department Submitting:		Department of Health	
*Division:		Laboratory Services	
*Date Submitted:		10/27/17	
*Submitted Within Sixty (60) days:		Yes	
<i>If not, explain:</i>			
*Contract Vendor Name:		Illumina Inc.	
*Current or Proposed Maximum Liability:		\$1,800,000.00	
*Estimated Total Spend for Commodities:		\$1,800,000.00	
*Current or Proposed Contract Allocation by Fiscal Year: <i>(as Shown on Most Current Fully Executed Contract Summary Sheet)</i>			
FY:18	FY:19	FY:20	FY:
\$600,000.00	\$600,000.00	\$600,000.00	\$
*Current Total Expenditures by Fiscal Year of Contract: <i>(attach backup documentation from Edison)</i>			
FY: N/A	FY:	FY:	FY:
\$ N/A	\$	\$	\$
<b>IF</b> Contract Allocation has been greater than Contract Expenditures, please give the reasons and explain where surplus funds were spent:		N/A	
<b>IF</b> surplus funds have been carried forward, please give the reasons and provide the authority for the carry forward provision:		N/A	
<b>IF</b> Contract Expenditures exceeded Contract Allocation, please give the reasons and explain how funding was acquired to pay the overage:		N/A	

## Supplemental Documentation Required for Fiscal Review Committee

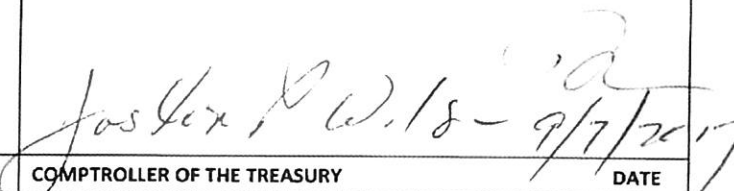
<b>*Contract Funding Source/Amount:</b>			
State:	100%	Federal:	
<i>Interdepartmental:</i>		<i>Other:</i>	
If “ <i>other</i> ” please define:			
If “ <i>interdepartmental</i> ” please define:			
Dates of All Previous Amendments or Revisions: <i>(if applicable)</i>		Brief Description of Actions in Previous Amendments or Revisions: <i>(if applicable)</i>	
Method of Original Award: <i>(if applicable)</i>			
*What were the projected costs of the service for the entire term of the contract prior to contract award? How was this cost determined?		The projected cost was estimated on a bid submitted by the sole source vendor.	
*List number of other potential vendors who could provide this good or service; efforts to identify other competitive procurement alternatives; and the reason(s) a sole-source contract is in the best interest of the State.		No other vendors are available to supply the reagents which must be compatible with the existing Illumina instruments currently be used to run the required testing in the lab.	

## Special Contract Request

This form should be utilized to facilitate contract and procurement requests that require the Chief Procurement Officer's prior approval and that of the Comptroller of the Treasury, as applicable.

NOT required for a contract with a federal, Tennessee, or Tennessee local government entity or a grant.

Route a completed request, as one file in PDF format, via e-mail attachment sent to: agsprs.agsprs@tn.gov.


<b>APPROVED</b>  <b>Michael F. Perry-CS</b> <small>Digitally signed by Michael F. Perry-CS  DN: cn=Michael F. Perry-CS, o=CPO,  ou=32101, email=Chris.Salita@tn.gov,  c=US  Date: 2017.09.05 14:25:18 -05'00'</small>		<b>APPROVED</b>  	
CHIEF PROCUREMENT OFFICER	DATE	COMPTROLLER OF THE TREASURY	DATE

<b>Request Tracking #</b>	<b>HL00017439</b>
<b>1. Contracting Agency</b>	<b>Health</b>
<b>2. Type of Contract or Procurement Method</b>	<input type="checkbox"/> No Cost <input type="checkbox"/> Revenue <input checked="" type="checkbox"/> Sole Source <input type="checkbox"/> Proprietary <input type="checkbox"/> Competitive Negotiation <input type="checkbox"/> Other _____
<b>3. Requestor Contact Information</b>	<b>Christina Moore</b> <u><a href="mailto:Christina.Moore@tn.gov">Christina.Moore@tn.gov</a></u> 615-262-6464
<b>4. Brief Goods or Services Caption</b>	<b>Reagents for use with Whole Genome Sequencing</b>
<b>5. Description of the Goods or Services to be Acquired</b>	<b>Cartridge kits, Index kits, Sample Prep kits, Phix Bleach tubes, and Index Adapter caps for Whole Genome Sequencing</b>
<b>6. Proposed Contractor</b>	<b>Illumina</b>
<b>7. Name &amp; Address of the Contractor's principal owner(s)</b> – NOT required for a TN state education institution	<b>Illumina, Inc.</b> 5200 Illumina Way San Diego, CA 92122 858-202-4500 zjohnson@illumina.com



<b>Request Tracking #</b>	HL00017439
<b>8. Proposed Contract Period</b> – with ALL options to extend exercised <i>The proposed contract start date shall follow the approval date of this request.</i>	60 months
<b>9. Office for Information Resources Pre-Approval Endorsement Request</b> – information technology (N/A to THDA)	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Attached Goods will not be used on an instrument connected to any State server
<b>10. eHealth Pre-Approval Endorsement Request</b> – health-related professional, pharmaceutical, laboratory, or imaging	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Attached
<b>11. Human Resources Pre-Approval Endorsement Request</b> – state employee training	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Attached
<b>12. Are these goods or services currently available on a statewide contract? If YES, please explain why the current statewide contract is not being used for this procurement.</b>	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES,
<b>13. Maximum Contract Cost</b> – with ALL options to extend exercised	\$2,600,000.00
<b>14. Was there an initial government estimate? If so, what amount?</b>	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES, \$2,600,000.00
<b>15. Cost Determination Used-</b> How did agency arrive at the estimate of expected costs?	Vendor quote
<b>16. Explanation of Fair and Reasonable Price-</b> Explain how agency determined that price is fair and reasonable	Sole source vendor
<b>17. Documentation of Discussions with Contractor-</b> How did agency document discussions with Contractor? Attach documentation to this request as applicable.	Primarily email
<b>18. Explanation of Need for or requirement placed on the State to acquire the goods or services</b>	We are required by the Epidemiology Lab Capacity (ELC) grants to perform Whole Genome Sequencing (WGS) on 100% of the Salmonella isolates and representative Campylobacter and Shigella isolates. In addition we perform WGS on all Listeria and E.coli non 0157 isolates, also required by these grants. This represented 1,251 specimens during last year's grant cycle. This year with new capacity we have anticipated the volume of 4,992 isolates per year. The reagent kits will provide the means to perform the testing required as outlined on grants awarded to the TDH.
<b>19. Proposed contract impact on current State operations</b>	The reagents are required to perform Whole Genome Sequencing using the existing equipment in the Lab. WGS must be performed to fulfill our obligations to the ELC grants we have been awarded.

<b>Request Tracking #</b>	<b>HL00017439</b>
<b>20. Justification</b> – Specifically explain why the goods or services should be acquired through the procurement method or contract type selected.	Reagents/Kits are for use with Whole Genome Sequencing (WGS) protocols for sequencing Bacterial isolates as required by the ELC grant. We have an existing service contract with Illumina for the instrument the test kits are compatible with. If there is a malfunction with the instrument the kits are ruined. As part of the existing service contract the ruined kit is replaced at no additional cost by the technician when servicing the malfunctioning instrument. The current contract states that Illumina will replace "like or current design" parts, including the reagent kits. A reagent kit not supplied by Illumina may give different results based on CDC testing, and as such may interfere with the results. As such, compatibility with our existing equipment and reagents are essential.
<b>For No Cost and Revenue Contracts Only</b>	
<b>21. What costs will the State incur as a result of this contract? If any, please explain.</b>	
<b>22. What is the total estimated revenue that the State would receive as a result of this contract?</b>	
<b>23. Could the State also contract with other parties interested in entering substantially the same agreement? Please explain.</b>	<input type="checkbox"/> NO <input type="checkbox"/> YES
<b>24. Summary of State responsibilities under proposed contract</b>	
<b>For Sole Source and Proprietary Procurements Only</b>	
<b>25. Explanation of Need for or requirement placed on the State to acquire the goods or services</b>	We are required by the Epidemiology Lab Capacity (ELC) grants to perform Whole Genome Sequencing (WGS) on 100% of the Salmonella isolates and representative Campylobacter and Shigella isolates. In addition we perform WGS on all Listeria and E.coli non 0157 isolates, also required by these grants. This represented 1,251 specimens during last year's grant cycle. This year with new capacity we have anticipated the volume of 4,992 isolates per year. The reagent kits on this contract provide the ability to performing the testing required.

Request Tracking #	HL00017439
26. Evidence of Contractor's experience & length of experience providing the goods or services to be procured.	Illumina is a leading developer, manufacturer, and marketer of life science tools and integrated systems for large-scale analysis of genetic variation and function. Illumina employs in excess of 5000 people across 5 continents. The TN Department of Health has a service contract with Illumina for the instruments the reagents are used on. Compatibility is a must to ensure accurate test results.
27. Has the contracting agency procured the subject goods or services before? If yes, provide the method used to purchase the goods or services and the name and address of the contractor.	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES, Method: Agency wide contract 52805 Name/Address: Illumina, Inc. 5200 Illumina Way San Diego, CA 92122 858-202-4500
28. Contractor selection process and efforts to identify reasonable, competitive, procurement alternatives	For the lab to perform Whole Genome Sequencing it is necessary for us to be supplied with reagent kits and other associated consumables. Due to compatibility with our existing equipment Illumina's kits are the only suitable reagents to ensure accurate results.
<b>Signature Required for all Special Contract Requests</b>	
<p><b>Signature of Agency head or authorized designee, title of signatory, and date</b> (the authorized designee may sign his or her own name if indicated on the Signature Certification and Authorization document)</p>   <p>Signature:  Date: 8/31/17</p>	

**TO:** Chris Salita, Director of Sourcing

**FROM:** Jennifer Garrison, Sourcing Account Specialist

**DATE:** September 1, 2017

**SUBJECT:** Recommendation of Special Contract Request HL00017439/cy17-9468

The Tennessee Department of Health is required by the Epidemiology Lab Capacity (ELC) grants to perform Whole Genome Sequencing (WGS) on 100% of the Salmonella isolates and representative Campylobacter and Shigella isolates. In addition they perform WGS on all Listeria and E.coli non 0157 isolates, also required by these grants. This represented 1,251 specimens during last year's grant cycle. This year with new capacity the is an anticipated the volume of 4,992 isolates per year.

Reagents/Kits are for use with WGS protocols for sequencing Bacterial isolates as required by the ELC grant. Health has an existing service contract with Illumina for the instrument the test kits are compatible with. If there is a malfunction with the instrument the kits are ruined. As part of the existing service contract the ruined kit is replaced at no additional cost by the technician when servicing the malfunctioning instrument. A reagent kit not supplied by Illumina may give different results based on CDC testing, and as such may interfere with the results. As such, compatibility with the existing equipment and reagents are essential.

For the lab to perform Whole Genome Sequencing it is necessary for Health to be supplied with reagent kits and other associated consumables. Due to compatibility with existing equipment Illumina's kits are the only suitable reagents to ensure accurate results.

I, Jennifer Garrison, recommend the approval of this proprietary request.

**Chris Salita**

Digitally signed by Chris Salita  
DN: cn=Chris Salita, o=CPO, ou=32101,  
email=Chris.Salita@tn.gov, c=US  
Date: 2017.09.05 14:24:58 -05'00'

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Director of Sourcing

Date

**Kevin C. Bartels**

Digitally signed by Kevin C. Bartels  
DN: cn=Kevin C. Bartels, o=CPO, ou,  
email=Kevin.C.Bartels@tn.gov, c=US  
Date: 2017.09.05 13:25:31 -05'00'

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Staff Attorney – Sourcing

Date



## Terms and Conditions

Event Number: **TBD**

### **Standard Terms and Conditions**

Instructions to Bidders:

1. Read the entire bid, including all terms and conditions and specifications.
2. If submitting the bid by mail: All bid prices must be typed or written in ink on the Line Details portion of the Invitation to Bid (ITB); any corrections, erasures or other forms of alteration to unit prices must be initialed by the bidder.
3. If submitting the bid by mail, the bid must be manually signed in ink; failure to do so will cause rejection of your bid. If submitting the bid on-line, your electronic signature constitutes having signed the bid.
4. Bid prices shall include delivery of all items F.O.B. destination or as otherwise specified.
5. Address all inquiries and correspondence to the Purchasing Agent indicated in the Invitation to Bid.
6. I (we) agree to strictly abide by all the statutes and terms contained in the rules of the Department of General Services, Central Procurement Office which are by reference made a part hereof, in addition to the Standard and Special Terms & Conditions, and Specifications embodied in this Invitation to Bid.
7. IMPORTANT: By submitting the bid, the Bidder certifies compliance with the above and further certifies that this bid is made without collusion or fraud.
8. State statutes require that all bidders be registered prior to the issuance of a contract or a purchase order. Vendors/Bidders can register online at the State of Tennessee Supplier Portal: <https://supplier.edison.tn.gov>.
9. I (We) propose to furnish and deliver any and all of the supplies, services, and/or other commodities named in the Invitation to Bid, and for which I (we) have set prices in my (our) offering.

10. It is understood and agreed that this bid, when certified by authorized signature, shall constitute an offer, which when accepted in writing by the Department of General Services, Central Procurement Office, and subject to the terms and conditions of such acceptance, will constitute a valid binding contract between the State of Tennessee and the Vendor/Contractor (bidder) submitting such offering.

11. By my (our) written signature on this bid I (we) guarantee and certify that all items included in the bid meet or exceed any and all State specifications covering such items. I (We) further agree, if awarded a contract or purchase order as a result of this bid, to deliver such commodities, service or merchandise which meet or exceed the specifications.

12. It is understood and agreed that no contract may be assigned, sublet, or transferred without the written consent of the Central Procurement Office.

13. The inclusion in any response of a limitation of remedies or liabilities clause may be cause for rejection, unless otherwise specified in this solicitation or in accordance with the provisions of *Tennessee Code Annotated* § 12-3-701 or Central Procurement Office Rules, policies or procedures.

14. All bidders have the right to inspect the bid file, prior to award, upon completion of the evaluation by the Central Procurement Office. Interested bidders should contact the Purchasing Agent following the bid opening date or once the file is open for the seven (7) day inspection period. A "File Open for Inspection" letter will be sent to all bidders detailing the bidder(s) recommended for award and the evaluated award amount(s). Upon request, a reasonable opportunity to inspect the bid file will be provided to the bidder. If there is no request to inspect the bid file by the end of the seven (7) day inspection period, the Purchasing Agent will proceed with the award.

15. Protest by Vendor: Pursuant to Tenn. Code Ann. § 4-56-103, any actual proposer may protest. Please refer to the Central Procurement Office's website to obtain a copy of the protest procedures and protest bond requirements or contact the sourcing analyst or category specialist at 615-741-1035. The website for the Central Procurement Office is as follows: [http://tn.gov/generalserv/cpo/for\\_bidders.html](http://tn.gov/generalserv/cpo/for_bidders.html)

16. Bid Mailing Instructions: Each individual bid proposal must be returned in a separate envelope package or container and must be properly labeled on the outside referencing the applicable event number and the bid opening date. Bids should be mailed in a properly labeled sealed envelope to the following address:

Department of General Services, Central Procurement Office  
Attn: Bidder Services  
3rd Floor, William R Snodgrass, Tennessee Tower  
312 Rosa L. Parks Avenue  
Nashville, TN 37243-1102

17. Subject to paragraph 13, the Contractor agrees to indemnify and hold harmless the State of Tennessee as well as its officers, agents, and employees from and against any and

all claims, liabilities, losses, and causes of action which may arise, accrue, or result to any person, firm, corporation, or other entity which may be injured or damaged as a result of acts, omissions, or negligence on the part of the Contractor, its employees, or any person acting for or on its or their behalf relating to this Contract. The Contractor further agrees it shall be liable for the reasonable cost of attorneys for the State in the event such service is necessitated to enforce the terms of this Contract or otherwise enforce the obligations of the Contractor to the State.

In the event of any such suit or claim, the Contractor shall give the State immediate notice thereof and shall provide all assistance required by the State in the State's defense. The State shall give the Contractor written notice of any such claim or suit, and the Contractor shall have full right and obligation to conduct the Contractor's own defense thereof. Nothing contained herein shall be deemed to accord to the Contractor, through its attorney(s), the right to represent the State of Tennessee in any legal matter, such rights being governed by Tennessee Code Annotated, Section 8-6-106

18. Contracts are entered into solely for the convenience of the State of Tennessee. The vendor/contractor understands and agrees that the State of Tennessee, as a signatory party to a contract, is solely responsible for its performance, and that the officers and employees of the Department of General Services, Central Procurement Office, act exclusively as agents of the State for the award, consummation, and administration of contracts and are not personally liable for any performance or nonperformance by the State.

19. A bid must be received in the Central Procurement Office on or before the date and hour designated for the bid opening or the bid will be rejected.

20. The Central Procurement Office may reject any or all bids. Action to reject all bids shall be taken only for unreasonably high prices, errors in the Invitation to Bid (ITB), cessation of need, unavailability of funds, or any other reason approved by the Procurement Commission. The Procurement Commission has authorized rejection of all bids for failure to secure adequate competition. If an ITB is to be re-advertised, all prior bids shall remain closed to inspection until the evaluation of the re-advertisement is complete.

21. All present and former employees or officials of the State are referred to Tennessee Code Annotated 12-4-103.

22. Any individuals with disabilities who wish to participate in public meetings such as a scheduled pre-bid conference or other scheduled function should contact the Central Procurement Office to discuss any auxiliary aids or services needed to facilitate such participation. Such contact may be in person, by writing, telephonically, or otherwise, and should be made no less than ten (10) days prior to the scheduled event, to allow time for the Central Procurement Office to provide such aid or service.

23. No person on the grounds of handicap or disability, age, race, color, religion, sex, national origin, or any other classification protected by Federal and/or Tennessee State Constitutional and/or statutory law shall be excluded from participation in, or denied benefits of, or be otherwise subjected to discrimination in the performance of the Contract



or in the employment practices of the vendor/contractor. The vendor/contractor shall, upon request, show proof of such non-discrimination, and shall post in conspicuous places, available to employees and applicants, notices of non-discrimination.

24. TAXES: Purchases of goods by the State of Tennessee are exempt from Tennessee sales and use tax pursuant to Tenn. Code Ann. 67-6-329(a) (4), and the state is generally exempt from Federal excise tax. Contractors are subject to Tennessee sales and use tax on all materials and supplies used in the performance of a contract, whether such materials and supplies are purchased by the contractor, produced by the contractor, or provided to the contractor by the State, pursuant to Tenn. Code Ann. 67-6-209. The contractor agrees to pay all taxes incurred in the performance of an awarded contract.

State agencies which procure products for the purpose of resale shall register with the Department of Revenue. Upon registration the agency will issue resale certificates to the successful contractor(s) for products procured for resale. The agency is responsible for the collection of the appropriate sales or use tax when the product is sold.

25. Exceptions to terms and conditions and/or those proposed by the bidder which may vary from the invitation to bid may render the bid unresponsive and subject the bid to rejection.

26. Unless otherwise stated, all goods called for by a purchase order must be tendered in a single delivery in compliance with the delivery time specified and payment is due only on such tender. Partial shipments and/or back orders will only be accepted with receiving agency's prior authorization.

27. All products, materials, supplies and equipment offered and furnished must be new, of current manufacturer production, and must have been formally announced by the manufacturer as being commercially available as of the date of the bid opening, unless otherwise stated in this event.

28. Manufacturers of chemical products which are the subject of purchase contracts for the State of Tennessee shall list and maintain a material safety data sheet (MSDS) for such chemical products on the national MSDS search repository or on the manufacturer's website so that such information can be accessed by means of the Internet. A site operated by or on behalf of the manufacturer or a relevant trade association is acceptable so long as the information is freely accessible to the public. In lieu of posting a MSDS on MSDSSEARCH, a bidder shall include the manufacturer's universal resource locator (URL) for its MSDS in the event. For purposes of this MSDS requirement, the Department of General Services recognizes the following URL for national MSDS search repository: MSDS-SEARCH, which can be accessed on the internet at: <http://www.msdssearch.com>.

29. Conflict of Interest: The State may not consider a solicitation response from an individual who is, or within the past six (6) months has been, a state employee. For purposes of this solicitation, an individual shall be considered to be a "state employee" and prohibited from submitting a response to this solicitation for six (6) months after such time as all compensation for salary, termination pay, and annual leave has been paid to such state employee. A contract with or a solicitation response from a company, corporation, or any



other contracting entity in which a controlling interest is held by a state employee shall be considered to be a contract with or a solicitation response from a state employee as though the state employee were submitting a response or entering a contract on his or her behalf. Notwithstanding the foregoing, a contract with or a solicitation response from a company, corporation, or any other contracting entity that employs an individual who does not own a controlling interest in such entity and who is, or within the past six months has been, a state employee shall not be considered a contract with or a solicitation response from a state employee and shall not constitute a prohibited conflict of interest.

30. Governing Law. This Contract shall be governed by and construed in accordance with the laws of the State of Tennessee. The contractor agrees that it will be subject to the exclusive jurisdiction of the courts of Tennessee in actions that may arise under this contract. The Contractor acknowledges and agrees that any rights or claims against the State of Tennessee or its employees hereunder, and any remedies arising therefrom, shall be subject to and limited to those rights and remedies, if any, available under Tennessee Code Annotated, Section 9-8-101 through 9-8-407.

31. State and Federal Compliance: The contractor shall comply with all applicable state and federal laws and regulations in the performance of this contract.

32. Professional Licensure and Department of Revenue Registration: All persons, agencies, firms, or other entities that provide legal or financial opinions, which a Proposer provides for consideration and evaluation by the State as a part of a proposal in response to this solicitation, shall be properly licensed to render such opinions. Before the Contract resulting from this solicitation is signed, the apparent successful Proposer (and Proposer employees and subcontractors, as applicable) must hold all necessary, appropriate business and professional licenses to provide service as required. The State may require any Proposer to submit evidence of proper licensure. Before the Contract resulting from this solicitation is signed, the apparent successful Proposer must be registered with the Department of Revenue for the collection of Tennessee sales and use tax. The State shall not award a contract unless the Proposer provides proof of such registration. The foregoing is a mandatory requirement of an award of a contract pursuant to this solicitation. For purposes of this registration requirement, the Department of Revenue may be contacted at: [TN.Revenue@tn.gov](mailto:TN.Revenue@tn.gov).

33. Prohibition of Illegal Immigrants: The requirements of State of Tennessee's Public Acts, 2006, Chapter Number 878 and Executive Order 41 addressing the use of Illegal Immigrants in the performance of any contract to supply goods or services to the State of Tennessee, shall be a material provision of this contract, a breach of which shall be grounds for monetary and other penalties, up to and including termination of this contract.

As required by Public Acts, 2006, Chapter Number 878, no person may enter into a contract to supply goods or services to the State without first attesting in writing that the person will not knowingly utilize the services of Illegal Immigrants in the performance of this contract, and will not knowingly utilize the services of any subcontractor who will utilize the services of Illegal Immigrants in the performance of this contract. For purposes of this contract, "Illegal Immigrant" shall be defined as any person who is not either a United States citizen, a lawful

permanent resident, or a person whose physical presence in the United States is authorized or allowed by the department of homeland security and who, under federal immigration laws and/or regulations, is authorized to be employed in the U.S. or is otherwise authorized to provide services under the contract. The contractor hereby attests, certifies, warrants, and assures that it shall comply with this term and condition for the entire contract period.

The contractor understands and agrees that failure to comply with this section will be subject to the sanctions of Public Chapter 878 of 2006 for acts or omissions occurring after its effective date. This law requires the Commissioner of Finance and Administration to prohibit a contractor from contracting with, or submitting an offer, proposal, or bid to contract with the State of Tennessee to supply goods or services for a year after a contractor is discovered to have knowingly used the services of illegal immigrants during the performance of this contract. The contractor may appeal the imposition of the one-year prohibition by utilizing an appeals process established by the Commissioner of Finance and Administration.

As per Executive Order 41, the contractor shall be required to submit semi-annual Attestation Forms and obtain a signed Attestation Form from any subcontractor prior to the use of the subcontractor and semi-annually thereafter during the contract period. The records shall be subject to review and random inspection at any reasonable time upon reasonable notice by the State. Records shall include but are not limited to the following:

Documentation on contractors' employees and subcontractor personnel working on this contract showing that they are legal to work in the United States and payroll records. Signed and dated Attestation Forms for your company that have been submitted to the Central Procurement Office and Attestation Forms obtained from subcontractor(s).

Note: The contractor shall be required to obtain prior approval to subcontract from the Central Procurement Office.

By authorized signature on this Invitation to Bid the contractor constitutes signing the Attestation Form for the initial six (6) months of the contract period. The contractor shall be required to submit signed Attestation Forms on a semi-annual basis from the start date of the contract period through to its completion date to the Central Procurement Office. Such attestations shall be maintained by the contractor in a permanent file on the vendor premises and made available to State officials upon request. The State of Tennessee provides an "approved Attestation Form" to support the reaffirmation process. The form can be accessed and printed from the internet at [http://tn.gov/generalserv/cpo/for\\_bidders.html](http://tn.gov/generalserv/cpo/for_bidders.html)

34. Modifications and Amendments: This Contract may be modified only by a written amendment signed by all parties hereto and approved by both the officials who approved the base contract and, depending upon the specifics of the contract as amended, any additional officials required by Tennessee laws and regulations (said officials may include, but are not limited to, the Chief Procurement Officer, the Commissioner of Human Resources, and the Comptroller of the Treasury).

35. Records: The Contractor shall maintain documentation for all charges under this Contract. The books, records, and documents of the Contractor, for work performed or money received under this Contract, shall be maintained for a period of five (5) full years from the date of the final payment and shall be subject to audit at any reasonable time and upon reasonable notice by the State, the Comptroller of the Treasury, or their duly appointed representatives. The financial statements shall be prepared in accordance with generally accepted accounting principles.

36. Monitoring: The Contractor's activities conducted and records maintained pursuant to this Contract shall be subject to monitoring and evaluation by the State, the Comptroller of the Treasury, or their duly appointed representatives.

37. HIPAA Compliance: The State and Contractor shall comply with obligations under the Health Insurance Portability and Accountability Act of 1996 (HIPAA), Health Information Technology for Economic and Clinical Health (HITECH) Act and any other relevant laws and regulations regarding privacy (collectively the "Privacy Rules").

a. Contractor warrants to the State that it is familiar with the requirements of the Privacy Rules, and will comply with all applicable requirements in the course of this Contract.

b. Contractor warrants that it will cooperate with the State, including cooperation and coordination with State privacy officials and other compliance officers required by the Privacy Rules, in the course of performance of the Contract so that both parties will be in compliance with the Privacy Rules.

c. The State and the Contractor will sign documents, including but not limited to business associate agreements, as required by the Privacy Rules and that are reasonably necessary to keep the State and Contractor in compliance with the Privacy Rules. This provision shall not apply if information received or delivered by the parties under this Contract is NOT "protected health information" as defined by the Privacy Rules, or if the Privacy Rules permit the parties to receive or deliver such information without entering into a business associate agreement or signing another such document.

d. The Contractor will indemnify the State and hold it harmless for any violation by the Contractor or its subcontractors of the Privacy Rules. This includes the costs of responding to a breach of protected health information, the costs of responding to a government enforcement action related to the breach, and any fines, penalties, or damages paid by the State because of the violation.

# Special Terms and Conditions

## 1. F.O.B. Destination (Agency Term Contract)

F.O.B. Point:

Agency Name: Tennessee Department of Health

Address: 630 Hart Lane, Nashville, TN 37216

## 2. Debarment and Suspension

The Contractor certifies, to the best of its knowledge and belief, that it, its current and future principals, its current and future subcontractors and their principals:

- a. are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal or state department or agency;
- b. have not within a three (3) year period preceding this Contract been convicted of, or had a civil judgment rendered against them from commission of fraud, or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or grant under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;
- c. are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state, or local) with commission of any of the offenses detailed in section b. of this certification; and
- d. have not within a three (3) year period preceding this Contract had one or more public transactions (federal, state, or local) terminated for cause or default.

The Contractor shall provide immediate written notice to the State if at any time it learns that there was an earlier failure to disclose information or that due to changed circumstances, its principals or the principals of its subcontractors are excluded or disqualified.

## 3. Term of Contract - Multi-Year

Total Number of Years if all Options are Exercised: 3

Initial Contract Term With 0 Renewals

Start Date: January 1, 2018

Initial End Date: December 31, 2020

Final End Date: December 31, 2020

The anticipated effective (start) date and expiration (end) dates of the contract are shown above. If award has not been made by the anticipated effective date, then the contract shall become effective upon the date the bid is accepted and contract awarded by the State, as indicated by the purchasing agent's signature on the contract notice of

award (note: the change of effective date may not result in a change of the anticipated expiration date.)

RENEWAL OPTIONS: This contract may be renewed upon satisfactory completion of the initial contract term. The State reserves the right to execute up to the number of renewal options listed above annually under the same terms and conditions for a period not to exceed 12 months each by the State. It is mutually understood and agreed that the State's commitment is limited to a base term contract, not to exceed twelve (12) months, which is subject to renewal annually at the State's sole option.

It is understood and agreed that the State reserves the right to extend the term contract period resulting from this solicitation an additional period of time, not to exceed 180 days beyond the normal expiration date of such contract, upon mutual written agreement by both parties, under the same terms and conditions. Provided, however, in no event shall the maximum term of a contract exceed a total of sixty (60) months.

#### **4. Volume, Multi-Year**

The total purchases of any individual item on the contract are not known. The Central Procurement Office has attempted to give an accurate estimate of probable purchases of each item from the current contract period and projected estimates for the new contract period. The Central Procurement Office does not guarantee that the state will buy any or all estimated amounts of any specified item or any total amount.

Purchases Current Contract Period \$ 1,800,000

Estimated Funding New Contract Period

1st 12 MONTHS \$ 600,000

2nd 12 MONTHS \$ 600,000

3rd 12 MONTHS \$ 600,000

The vendor/contractor will only be paid for products or services rendered hereunder pursuant to purchase order releases issued to vendor/contractor from the state. The vendor/contractor is not entitled to be paid the maximum liability for any one year under the contract or any extensions of the contract for product or service not requested by the state. Maximum liability represents available funds for payment to vendor/contractor and does not guarantee payment of any such funds to the vendor/contractor per year under this contract unless the state requests product or service and vendor/contractor provides said product or service. The state is under no obligation to request product or service from vendor/contractor in any specific dollar amounts per year under this contract and the state may not request any product or service at all from vendor/contractor during the contract period.

#### **5. Bids Requested on Standard State Specifications for Products and/or Services**

Unit price bids are requested on products or services that equal or exceed (unless specifications limit the dimensions or brand(s)/model(s) of products to be bid). The

absence of detailed specifications or the omission of detail description shall be recognized as meaning that only the best commercial practices are to prevail and that only first quality materials and workmanship are to be used. All interpretations of specifications shall be made from this statement. It is understood that the specifications or references to available specifications shall be sufficient to make the terms of such specifications binding on the vendor/contractor. Bidders must submit for bid evaluation applicable cuts, sketches, descriptive literature, and technical specifications covering the product offered, when applicable. Reference to literature submitted previously will not satisfy this requirement.

Bids requested on architect/engineer/designer specifications, if applicable. Bids are requested per architect/ engineer/designer's specification attached. Bids are to be lump sum and/or unit prices as shown on the price sheet. Any errors or omissions in plans or specifications shall be resolved prior to submission of a bid. Submission of a bid shall constitute agreement and compliance with such specifications and plans. All shop drawings and product sheets required by specifications shall be submitted to architect/engineer/designer prior to fabrication and/or installation.

#### **6. Bid Offer Expiration**

Enter the expiration date of your bid offer in the space provided on this Invitation to Bid. A minimum period of thirty (30) days from the bid closing date is requested. The state shall have sixty (60) days to accept the bid if a minimum period is not stated.

#### **7. Delivery Time (On-Time)**

The contractor shall be required to maintain or to have available for their own use personnel, equipment, and products sufficient to perform "on-time" as specified in this Invitation to Bid.

#### **8. Freight F.O.B. State Agency (Dock)**

All quotations shall be F.O.B. destination. The term F.O.B. shall mean delivered and unloaded onto the receiving dock of the agency listed, with all charges for transportation and unloading prepaid by the vendor/contractor.

#### **9. Bidder's Qualification**

Bidders must, upon request of the state, furnish satisfactory evidence of their ability to furnish products or services in accordance with the terms and conditions and specifications. The Assistant Commissioner, Department of General Services, Central Procurement Office, reserves the right to make the final determination as to a bidder's ability to perform.

#### **10. Inspection/Facilities**

The Central Procurement Office may inspect the facilities of any bidder or may require additional information regarding a bidder's ability to perform the proposed contract. Bids may be rejected for lack of apparent ability to perform the proposed contract.



## **11.Substitution**

Substitution of one or more goods, brands or manufacturers after the contract is awarded is expressly prohibited unless approved in writing by the State. The State may, at its discretion, require the contractor to provide one or more substitute goods of equal quality, subject to the approval by the State, for the same price and on the same delivery terms, if one or more goods for which the contract was awarded becomes unavailable to the contractor.

## **12.Inspection of Materials, Equipment and Products**

All materials, equipment, and products are subject to inspection and testing. Items that do not meet specifications will be rejected. Failure to reject upon receipt does not relieve the vendor/contractor of liability. When subsequent tests after receipt are conducted and when such tests reveal damage or failure to meet specifications, the state may seek damages regardless of whether a part or all of the merchandise has been consumed.

## **13.Negotiations**

The State may elect to negotiate by requesting revised Cost Proposals from apparently responsive and responsible respondents. However, the State reserves the right to award a contract on the basis of initial responses received. Therefore, each response should contain the respondent's best terms from a price and technical standpoint. The State reserves the right to conduct multiple negotiation rounds. If the State exercises its right to enter into negotiations, it may identify areas of a response that may require further clarification or areas in which it is apparent that there may have been miscommunications or misunderstandings as to the State's specifications and/or requirements. The State may seek to clarify those identified issues during negotiations. All responsive respondents will be given equivalent information with respect to cost negotiations. All cost negotiations will be documented for the procurement file. Additionally, the State may conduct target pricing and other price or service level negotiations. Target pricing may be based on considerations such as current pricing, market considerations, benchmarks, budget availability, or other method that does not reveal individual respondent pricing. During target price negotiations respondents are not obligated to meet or beat target prices, but will not be allowed to increase prices. All communications, clarifications and negotiations shall be conducted in a manner that supports fairness in response improvement. Note that each clarification sought by the State may be unique to an individual respondent.

## **14.Department of Revenue Registration**

The contractor shall be registered with the Department of Revenue for the collection of Tennessee sales and use tax. This registration requirement is a material requirement of this Contract.

## **15.Bid Rejection**

The Central Procurement Office reserves the right to reject any bid that contains prices for individual items or services that are inconsistent or unrealistic when compared to other prices in the same or other bids, if such action would be in the best interest of the state.

Errors: Each correction made by the bidder on the bid response must be initialed in ink by each correction. No corrections will be made in pencil. No bid or line item shall be altered or amended after the bid opening. In the case of errors in the extension price, the unit price will govern. Failure to comply with the above may be cause for rejection of part or the entire bid.

## **16. Single Award**

A single contract for all line items will be awarded to the lowest responsive and responsible bidder whose bid meets the requirements and criteria set forth in the Invitation to Bid. Prices shall be calculated as follows: The bidders unit bid price shall be multiplied by the line item quantity to obtain the line item total. If more than one line item is included in the bid document, each line item total shall be added together for a total price for all line items bid. The bidder must bid all line items to be considered for an award.

## **17. Award Criteria**

An award shall be made to the lowest responsive and responsible bidder considering the following:

Ability to Perform  
Conformity to Specifications  
Lowest Composite Score

## **18. State Contract Administrator**

Questions or problems arising from bid procedures or subsequent order and delivery procedures should be directed to:

State of Tennessee  
Department of General Services, Central Procurement Office  
3rd Floor, William R. Snodgrass, Tennessee Tower  
312 Rosa L. Parks Avenue  
Nashville, TN 37243-1102  
Attn:

## **19. Purchase Order Releases (Agency Term Contract)**

Orders for products or services that are included on agency term contracts shall be prepared by agencies on Departmental Purchase Release Orders and forwarded to the vendor/contractor. These purchase orders, when received by the vendor/ contractor, serve as authorization for shipment of product(s) or start of service.

Billing Instructions:

The vendor/contractor shall invoice the state only after product has been received by the user agency or upon completion of the service described in the purchase order/contract, unless otherwise authorized in writing by the user agency and as required below prior to any payment.



The contractor shall submit an invoice, with all necessary supporting documentation, to the state agency billing address. Such invoice shall clearly and accurately detail the following required information:

1. Invoice/reference number; (assigned by the contractor);
2. Invoice date;
3. Contract and/or purchase order number; (assigned by the state);
4. Account name;
5. Procuring state agency and division name;
6. Account/customer number (uniquely assigned by the vendor/contractor);
7. To the above-referenced account name;
8. Contractor name;
9. Contractor Identification Number; (as referenced in the contract);
10. Contractor contact (name, phone, and/or fax for the person to contact with billing questions);
11. Contractor remittance address;
12. Description of delivered product(s) or service; and
13. Total amount due for delivered product(s) or service.

The contractor understands and agrees that the invoice shall;

- Include only charges for service described in contract or Purchase Order and in accordance with payment terms and conditions set forth in the contract or purchase order;
- Not include any future work but will only be submitted for completed service, unless otherwise authorized in writing by the user agency; and
- not include sales tax or shipping charges (unless otherwise stipulated in the contract or purchase order).

Payment: The contractor agrees that timeframe for payment (and any discounts) begins when the state is in receipt of a correct invoice meeting the minimum requirements above. It shall be the responsibility of the "bill to" agency to make payment in accordance with the Prompt Payment Act of 1985. Any questions concerning payment should be addressed to the "bill to" agency and not to the Central Procurement Office.

## **20. Contract Cancellation**

Termination for Convenience: The State may terminate this contract without cause. Said termination shall not be deemed a breach of contract by the State. The State shall give the vendor/contractor at least ninety (90) days written notice before the effective cancellation date.

The vendor/contractor shall be entitled to receive compensation for product(s) shipped or services satisfactorily completed as of the cancellation date, but in no event shall the state be liable to the vendor/contractor for compensation for any product(s) or services which have not been rendered.

Upon such termination, the vendor/contractor shall have no right to any actual general, special, incidental, consequential, or any other claims whatsoever of any description or amount.

Termination for Cause: If the vendor/contractor fails to fulfill its obligations under this contract in a timely or proper manner, or if the vendor/contractor violates any terms of this contract, the State shall have the right to immediately terminate the contract upon written notice of intent to cancel. The State shall have the right to withhold payment in excess of fair compensation for completed services. Notwithstanding the above, the contractor shall not be relieved of liability to the State for damages sustained by virtue of any breach of this contract by the contractor.

At the end of any fiscal year any contract may be canceled by the state without notice, in the event that funds to support the contract become unavailable.

The vendor/contractor will be required to honor all purchase orders that were prepared and dated prior to the date of the termination, if received by the vendor/contractor within a period of thirty (30) days following the date of cancellation.

## **21. Subcontracting**

The Contractor shall not assign this Contract or enter into a subcontract for any of the goods or services provided under this Contract without obtaining the prior written approval of the Central Procurement Office. Notwithstanding any use of approved subcontractors, the Contractor shall be the prime contractor and shall be responsible for all work provided.

## **22. Specifications Govern Over Brand Names Listed**

The acceptable brands and model numbers are believed to meet all written specifications; however, if an error exists, the specifications will govern.

**23. Limitation of State's Liability** The State shall have no liability except as specifically provided in this Contract. In no event will the State be liable to the Contractor or any other party for any lost revenues, lost profits, loss of business, decrease in the value of any securities or cash position, time, money, goodwill, or any indirect, special, incidental, punitive, exemplary or consequential damages of any nature, whether based on warranty, contract, statute, regulation, tort (including but not limited to negligence), or any other legal theory that may arise under this Contract or otherwise. The State's total liability under this Contract (including any exhibits, schedules, amendments or other attachments to the Contract) or otherwise shall under no circumstances exceed the Maximum Liability. This limitation of liability is cumulative and not per incident.

**24. Limitation of Contractor's Liability** In accordance with Tenn. Code Ann. § 12-3-701, the Contractor's liability for all claims arising under this Contract shall be limited to an amount equal to two (2) times the Maximum Liability amount detailed in Section C.1. and as may be amended, PROVIDED THAT in no event shall this Section limit the liability of the Contractor for: (i) intellectual property or any Contractor indemnity obligations for infringement for third-party intellectual property rights; (ii) any claims covered by any

specific provision in the Contract providing for liquidated damages; or (iii) any claims for intentional torts, criminal acts, fraudulent conduct, or acts or omissions that result in personal injuries or death.

**STATE OF TENNESSEE**  
**DEPARTMENT OF GENERAL SERVICES**  
**CENTRAL PROCUREMENT OFFICE**

**INVITATION TO BID**  
**EFFORTS TO ACHIEVE DIVERSITY BUSINESS ENTERPRISE PARTICIPATION**

The Governor's Office of Diversity Business Enterprise (Go-DBE) is the state's central point of contact to attract and assist minority-owned, woman-owned, Tennessee service-disabled veteran owned, and small business enterprises interested in competing in the State of Tennessee's procurement and contracting activities. These diversity business enterprises are defined as follows:

**Minority Business Enterprise (MBE) and Woman Business Enterprise (WBE)**

Businesses that are a continuing, independent, for profit business which performs a commercially useful function, and is at least fifty-one percent (51%) owned and controlled by one (1) or more individuals in the minority or woman category who were impeded from normal entry into the economic mainstream because of past practices of discrimination based on race, ethnic background, or gender.

**Service-Disabled Veteran Business Enterprise (SDVBE)**

"Tennessee service disabled veteran owned business" means a service-disabled veteran owned business that is a continuing, independent, for profit business located in the state of Tennessee that performs a commercially useful function with at least a twenty percent (20%) disability that is service-connected meaning that such disability was incurred or aggravated in the line of duty in the active military, naval or air service.

**Small Business Enterprise (SBE)**

"Tennessee small business" means a business that is a continuing, independent, for profit business which performs a commercially useful function with residence in Tennessee and has total gross receipts of no more than ten million dollars (\$10,000,000) averaged over a three-year period or employs no more than ninety-nine (99) persons on a full-time basis".

For additional program eligibility information visit,  
[http://www.tn.gov/businessopp/program\\_elig.html](http://www.tn.gov/businessopp/program_elig.html).

**INVITATION TO BID INSTRUCTIONS**

As part of this Invitation to Bid, the Respondent should complete the Diversity Utilization Plan, which begins on the following page. To assist in your effort to seek and solicit the participation of diversity businesses on this solicitation, a directory of certified Diversity Business Enterprise firms may be found on the State's website at: <http://www.tn.gov/businessopp/regdivcomp.html> or by calling Go-DBE toll free at 866-894-5026.

### RESPONDENT'S DIVERSITY UTILIZATION PLAN

Respondent's Company Name:		
Solicitation Event Name:		Event Number:
Respondent's Contact Name:	Phone: (    )	Email:
<p>Does the Respondent qualify as the diversity business enterprise?    <input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>If yes, which designation does the Respondent qualify?    <input type="checkbox"/> MBE    <input type="checkbox"/> WBE    <input type="checkbox"/> SDVBE  <input type="checkbox"/> SBE</p> <p>Certifying Agency:</p>		

**Estimated level of participation by diversity businesses if awarded a contract pursuant to this ITB:**

Diversity Business Information (List all subcontractors, joint-ventures, and suppliers)	Percent of Contract	Estimated Amount	MBE/ WBE/ SDVBE/ SBE Designation	Currently Certified (Yes or No)
Business Name:				
Contact Name:				
Contact Phone:				
Business Name:				

Contact Name:				
Contact Phone:				

If awarded a contract pursuant to this ITB, we confirm our commitment to make reasonable business efforts to meet or exceed the commitment to diversity as represented in our Diversity Utilization Plan. We shall assist the State in monitoring our performance of this commitment by providing, as requested, a quarterly report of participation in the performance of this Contract by small business enterprises and businesses owned by minorities, women, and Tennessee service-disabled veterans. Such reports shall be provided to the State of Tennessee Governor's Office of Diversity Business Enterprise in form and substance as required by said office. We further agree to request in writing and receive prior approval from the Central Procurement Office for any changes to the use of the above listed diversity businesses.

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Printed Name and Title of Respondent Signatory (above) \_\_\_\_\_



Illumina, Inc.  
5200 Illumina Way  
San Diego, CA 92122  
tel 858-202-4500  
fax 858-202-4545  
www.illumina.com

### Sole Source Certification

August 24, 2017

Tennessee Department of Health  
630 Hart Ln.  
Nashville, TN 37216-2625

Dear Christina Moore,

Subject to the below, as of the date of this letter, I hereby certify to the best of my knowledge that Illumina is the sole manufacturer and source of the following Illumina products in the United States:

\*New\*:

FC-110-3001	PhiX CONTROL V3 KIT: Kitted DNA control for the Illumina sequencing platform. Compatible with Single and Paired End reads up to 150 base pairs. (10ul of 10nM template solution)
15026762	Index Adapter Replacement Caps: Box, Index Adapter Replacement Caps
FC-131-1002	Nextera XT Index Kit (96 indexes, 384 samples): Each Nextera XT Index Kit includes 96 unique indexes for sequencing library preparation of up to 384 samples.
MS-102-9999	MiSeq® Disposable Wash Tubes: (20) disposable wash tubes for MiSeq
MS-102-2002	MiSeq Reagent Kit v2 (300-cycles): MiSeq v2 Reagent kit, 300 cycles per kit.



Illumina, Inc.  
5200 Illumina Way  
San Diego, CA 92122  
tel 858-202-4500  
fax 858-202-4545  
www.illumina.com

FC-131-2002	Nextera XT Index Kit v2 Set B(96 indexes, 384 samples): Set B of version 2 Nextera XT Index kit includes 96 optimized and unique indexes for sequencing library preparation of up to 384 samples.
MS-102-2003	MiSeq Reagent Kit v2 (500-cycles): MiSeq v2 Reagent kit, 500 cycles per kit.
FC-131-2001	Nextera XT Index Kit v2 Set A(96 indexes, 384 samples): Set A of version 2 Nextera XT Index kit includes 96 optimized and unique indexes for sequencing library preparation of up to 384 samples.
FC-131-2004	Nextera XT Index Kit v2 Set D(96 indexes, 384 samples): Set D of version 2 Nextera XT Index kit includes 96 optimized and unique indexes for sequencing library preparation of up to 384 samples.
FC-133-1001	Nextera* XT Library Prep Kit PulseNet (96 samples): This kit is specific for use only with the CDC Pulse Net Network of labs. It consists of the standard Nextera XT kit minus the Bead Based Normalization reagents. Additionally, this kit includes EBT reagent.
FC-131-2003	Nextera XT Index Kit v2 Set C(96 indexes, 384 samples): Set C of version 2 Nextera XT Index kit includes 96 optimized and unique indexes for sequencing library preparation of up to 384 samples.
MS-102-3003	MiSeq* Reagent Kit v3 (600 cycle): Provides kitted reagents for up to 625 cycles of sequencing on the MiSeq System. Includes: Paired-End Reagent plate (600-cycles), MiSeq Flow Cell, and Wash Buffer.

Illumina has not approved any third party intermediary for this particular transaction (Quotation # 410845), and is thereby the only supplier of Illumina products for this transaction with Tennessee Department of Health. In a limited number of transactions, Illumina may, upon specific request, sell the above-referenced products through third parties acting as intermediaries of the end user.

Sincerely,

Mark Van Oene  
CCO



## **SPECIFICATIONS FOR WGS REAGENTS**

Reagents/Kits are for use with Whole Genome Sequencing (WGS) protocols for sequencing Bacterial isolates as required by the National Antimicrobial Resistance Monitoring System (NARMS) and Advanced Molecular Detection (AMD) grants.

1. All reagents must be compatible with Illumina MiSeq instruments.
2. Each reagent cartridge must have a barcoded lot number and expiration date and have an RFID chip which can be read by the MiSeq instrument.
3. Each incorporation buffer bottle must have a barcoded lot number and expiration date and have an RFID chip which can be read by the MiSeq instrument.
4. Each flow cell must be recognizable by the MiSeq instrument when inserted into the instrument.
5. Each individual reagent within the Sample Prep Kit must have a lot number and an expiration date and be compatible with the indices used during the PCR step.
6. The index Kit must be able to provide 96 unique pairs of combinations.
7. The PhiX internal control must be compatible with the MiSeq instrument and be able to be extracted from the sequencing data for run/ instrument troubleshooting purposes.
8. The bleach wash tubes must fit into the wells of the wash cartridge used to wash the fluidic lines of the MiSeq instruments after a run.
9. The replacement index adapter caps must fit the vials of indices correctly.
10. Replacement Reagent kits must be available from Illumina for those runs which fail to run to completion on a MiSeq instrument per the Reagent replacement program which is part of our current Illumina service contract.



## QUOTATION FOR SUPPLY OF GENETIC ANALYSIS PRODUCTS

Prepared by:

Illumina, Inc.  
5200 Illumina Way  
San Diego CA 92122  
USA

Hereinafter referred to as "Illumina"

Prepared for:

**Christina Moore**  
**Tennessee Department Of Health**

Hereinafter referred to as "Tennessee Department Of Health " or "Customer"

Quotation Number:	4101845
Quotation Date:	Aug 22, 2017
Expiration Date:	Sep 21, 2017
Prepared By:	Zach Johnson
Phone Number:	+1 (858) 255.9401
Email:	ZJOHNSON@ILLUMINA.COM

QUOTATION NUMBER 4101845  
QUOTATION DATE Aug 22, 2017  
EXPIRATION DATE Sep 21, 2017  
CURRENCY USD

PREPARED BY  
TEL  
EMAIL

Zach Johnson  
+1 (858) 255.9401  
ZJOHNSON@ILLUMINA.COM

## I. CUSTOMER INFORMATION

Company or Institution Name:	Tennessee Department Of Health
Customer Number:	6000008537
Address:	Tennessee Department Of Health 630 Hart Ln Nashville TN 37216-2625 USA
Contact Name:	Christina Moore
Phone:	(615) 262-6464
E-Mail:	christina.moore@tn.gov
Ultimate Consignee:	Tennessee Department Of Health
Bill to address	Tennessee Department Of Health 630 Hart Ln Nashville TN 37216-2625 USA
Shipping address:	Tennessee Department Of Health 630 Hart Ln Nashville TN 37216-2625 USA

## II. PRODUCT & PRICING INFORMATION

Catalog#	Product Description	Unit Price (USD)	Discount %	Customer Price (USD)	Units	Subtotal (USD)
FC-110-3001	PhiX CONTROL V3 KIT: Kitted DNA control for the Illumina sequencing platform. Compatible with Single and Paired End reads up to 150 base pairs. (10ul of 10nM template solution)	160.00	5.00	152.00	1	152.00
15026762	Index Adapter Replacement Caps: Box, Index Adapter Replacement Caps	88.00	5.00	83.60	1	83.60
FC-131-1002	Nextera XT Index Kit (96 indexes, 384 samples): Each Nextera XT Index Kit includes 96 unique indexes for sequencing library preparation of up to 384 samples.	999.00	5.00	949.05	1	949.05
MS-102-9999	MiSeq® Disposable Wash Tubes: (20) disposable wash tubes for MiSeq	3.00	5.00	2.85	1	2.85
MS-102-2002	MiSeq Reagent Kit v2 (300-cycles): MiSeq v2 Reagent kit, 300 cycles per kit.	1,045.00	5.00	992.75	1	992.75

QUOTATION NUMBER  
QUOTATION DATE  
EXPIRATION DATE  
CURRENCY

4101845  
Aug 22, 2017  
Sep 21, 2017  
USD

PREPARED BY  
TEL  
EMAIL

Zach Johnson  
+1 (858) 255.9401  
ZJOHNSON@ILLUMINA.COM

FC-131-2002	Nextera XT Index Kit v2 Set B(96 indexes, 384 samples): Set B of version 2 Nextera XT Index kit includes 96 optimized and unique indexes for sequencing library preparation of up to 384 samples.	989.00	5.00	939.55	1	939.55
MS-102-2003	MiSeq Reagent Kit v2 (500-cycles): MiSeq v2 Reagent kit, 500 cycles per kit.	1,170.00	5.00	1,111.50	1	1,111.50
FC-131-2001	Nextera XT Index Kit v2 Set A(96 indexes, 384 samples): Set A of version 2 Nextera XT Index kit includes 96 optimized and unique indexes for sequencing library preparation of up to 384 samples.	989.00	5.00	939.55	1	939.55
FC-131-2004	Nextera XT Index Kit v2 Set D(96 indexes, 384 samples): Set D of version 2 Nextera XT Index kit includes 96 optimized and unique indexes for sequencing library preparation of up to 384 samples.	989.00	5.00	939.55	1	939.55
FC-133-1001	Nextera® XT Library Prep Kit PulseNet (96 samples): This kit is specific for use only with the CDC Pulse Net Network of labs. It consists of the standard Nextera XT kit minus the Bead Based Normalization reagents. Additionally, this kit includes EBT reagent.	3,000.00	5.00	2,850.00	1	2,850.00
FC-131-2003	Nextera XT Index Kit v2 Set C(96 indexes, 384 samples): Set C of version 2 Nextera XT Index kit includes 96 optimized and unique indexes for sequencing library preparation of up to 384 samples.	989.00	5.00	939.55	1	939.55
MS-102-3003	MiSeq® Reagent Kit v3 (600 cycle): Provides kitted reagents for up to 625 cycles of sequencing on the MiSeq System. Includes: Paired-End Reagent plate (600-cycles), MiSeq Flow Cell, and Wash Buffer.	1,530.00	5.00	1,453.50	1	1,453.50
Subtotal						11,353.45
Freight / Handling Fee						454.14
Total Fees (including shipping and insurance)						11,807.59

**Notes:** Tax is an estimate and is subject to change upon invoicing based upon the appropriate tax regulations.

QUOTATION NUMBER 4101845  
QUOTATION DATE Aug 22, 2017  
EXPIRATION DATE Sep 21, 2017  
CURRENCY USD

PREPARED BY Zach Johnson  
TEL +1 (858) 255.9401  
EMAIL ZJOHNSON@ILLUMINA.COM

### III. CONDITIONS OF SALE

By submitting an order, Customer accepts and agrees that the Terms and Conditions referenced in this Quotation (as set forth in the section VII herein (Terms and Conditions)) is the sole and exclusive agreement between Customer and Illumina with respect to the Illumina products and/or services as described above and accepts all other terms of this quotation. NOTWITHSTANDING THE FOREGOING, IF ILLUMINA AND CUSTOMER HAVE ENTERED INTO A VALID AND ENFORCEABLE AGREEMENT GOVERNING THE ILLUMINA PRODUCTS AND/OR SERVICES DESCRIBED ABOVE, THE ORDER OF PRECEDENCE BETWEEN THE AGREEMENT AND THE TERMS AND CONDITIONS SHALL BE AS FOLLOWS: IN THE EVENT OF A CONFLICT BETWEEN THE TERMS OF THE AGREEMENT AND THE TERMS AND CONDITIONS, OR IF THE AGREEMENT INCLUDES ADDITIONAL TERMS NOT ADDRESSED IN THE TERMS AND CONDITIONS, THE AGREEMENT SHALL GOVERN WITH RESPECT TO SUCH TERMS. Illumina does not supply plastics such as microplates or pipette tips for use in the listed assays and these are not included in the consumables pricing provided; however, as a result of the highly multiplexed nature of all assays, plastics alone contribute minimally to the final cost.

Customer and Illumina agree as follows:

- Customer's purchase of the products referenced in this Quotation is not conditioned on future performance characteristics or applications, whether or not realized.
- Unless otherwise agreed by Illumina in writing, Illumina will not assist Customer in developing, testing, or validating unsupported applications.
- Illumina will not replace any consumables or reagent kits if the cause of any performance failure is due to unsupported applications.
- Illumina is unable to provide any assurances or guarantee that the performance of the products referenced in this Quotation will match published specifications when used for unsupported applications.

### IV. SHIP HOLD

In cases where this Quotation does not include a pre-defined ship schedule, the following ship hold terms shall apply:

- All orders must have a defined ship schedule. The initial ship date must be no later than three (3) months from the date the purchase order is received by Illumina (as provided in the Order Confirmation) and the entire order must be shipped complete within twelve (12) months from Illumina's receipt of the purchase order.
- Any exceptions to these ship hold terms must be agreed to in writing by Illumina and the Customer must pre-pay at least fifty percent (50%) of the purchase order amount of the affected shipments.
- Customers may request two (2) shipment delays for any single purchase order. The total months of delayed shipment for shipments associated with a single purchase order shall not exceed six (6) months.
- If Customer has requested a delayed shipment, Illumina reserves the right to change the lead time necessary to initiate Customer's first shipment (which may be longer than the lead time quoted at the time of the order placement).
- If Customer cannot take shipment in accordance with these terms, Illumina reserves the right to cancel the order in its entirety without any liability to the Customer.

### V. HOW TO ORDER

For all consumable orders: Please submit your order online through MyIllumina ( <a href="http://my.illumina.com">http://my.illumina.com</a> ).	For all other orders: Please submit your institutional Purchase Order and a complete copy of this quotation to the attention of: Illumina Customer Service  customerservice@illumina.com  Phone: +1.858.202.4566 Toll Free: +1.800.809.ILMN (4566) Fax: +1.858.202.4766
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### Order Confirmation

CONFIDENTIAL

Proposal # 4101845

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illumina®

QUOTATION NUMBER 4101845  
QUOTATION DATE Aug 22, 2017  
EXPIRATION DATE Sep 21, 2017  
CURRENCY USD

PREPARED BY Zach Johnson  
TEL +1 (858) 255.9401  
EMAIL ZJOHNSON@ILLUMINA.COM

You will receive an e-mail confirmation containing your order number within 1 business day. Another email will be sent to notify you when your order has been shipped.

## VI. EXPIRATION OF OFFER

The offer contained in this document is revocable at the sole discretion of Illumina if not executed by Customer and a purchase order received by Illumina before 5:00 pm Pacific Time on the expiration date shown on page 1 of this quotation.

## VII. TERMS AND CONDITIONS

By this Quotation, Illumina conditionally offers to Customer the Illumina products and/or services as described above. This offer is conditional on, and may only be accepted by, Customer's agreement that Illumina's terms and conditions listed below or otherwise included with the product or service, as applicable to the specific product or service quoted ("Terms and Conditions"), is the sole and exclusive agreement between Customer and Illumina with respect to the particular products or service. For the avoidance of doubt, any terms and conditions applicable to "Test Specific Products" that have a specific intended use in such products' documentation, as set forth in such terms and conditions, are applicable only to in vitro diagnostic products.

<http://www.illumina.com/content/dam/illumina-marketing/documents/terms-conditions/united-states/usa-terms-and-conditions-of-sale-general.pdf>.

Additionally, if Customer is purchasing Illumina professional consulting services as relate to instruments, Customer environment or workflows (in all cases, excluding instrument warranty services) ("Professional Services"), Customer agrees such Professional Services are exclusively governed by the Terms and Conditions - Services (Professional Services) located here:

<http://www.illumina.com/content/dam/illumina-marketing/documents/company/terms-and-conditions-services.pdf>

<https://www.illumina.com/content/dam/illumina-marketing/documents/terms-conditions/united-states/usa-terms-and-conditions-warranty-services.pdf>

In the case of BaseSpace Clarity LIMS, the Terms and Conditions are <https://www.illumina.com/content/dam/illumina-marketing/documents/terms-conditions/worldwide/lims/on-premise-subscription-agreement.pdf> (for subscription software), and <https://www.illumina.com/content/dam/illumina-marketing/documents/terms-conditions/worldwide/lims/perpetual-license-agreement.pdf> (for perpetual license software).

Additionally, notwithstanding the Illumina entity that is listed on the cover page of this Quotation, the parties understand and agree that in the event another Illumina affiliate provides the products or services to Customer, such Illumina affiliate is the relevant quoting and contracting entity under this Quotation and the relevant Terms and Conditions.